

**AGENDA REQUEST**  
**BUSINESS OF THE CITY COUNCIL**  
**CITY OF SUGAR LAND, TEXAS**

**AGENDA OF:** 08/03/04 **DEPARTMENT OF ORIGIN:** PUBLIC WORKS **REQ. NO.** IV B  
**DATE SUBMITTED:** 07/20/04  
**PREPARED BY:** HOWARD CHRISTIAN

**SUBJECT:** ANNUAL WATER METER PURCHASE CONTRACT

**PROCEEDING:** ACCEPT LOW BID AND AWARD CONTRACT

**CLEARANCES:** DIRECTOR OF PUBLIC WORKS *TH*  
DIRECTOR OF FINANCE/ADMINISTRATION *LM*  
ASSISTANT CITY MANAGER *TH*

**EXHIBITS:** BID TABULATION

**APPROVED FOR SUBMITTAL:** CITY MANAGER *Allen Bogan*

**EXPENDITURE REQUIRED:** \$43,000

**AMOUNT BUDGETED:** \$ 43,000

**APPROPRIATION REQUIRED:** \$ N/A

**EXECUTIVE SUMMARY:**

On Thursday, July 8, 2004, the City of Sugar Land received eight sealed bids for the purchase of displacement type water meters used for new service installations and the replacement of worn and inoperable meters within our water system. The apparent low bidder was Performance Meter Inc., but their meters are not certified to conform to the Texas Commission on Environmental Quality (TCEQ) required American National Standards Institute/National Sanitation Foundation (ANSI/NSF) Standard 61. This standard is a testing protocol that measures and limits the amount of lead and other contaminants that a device may contribute to drinking water. The low bidder that provides meters that conform to ANSI/NSF Standard 61 is Badger Meter, Inc., a meter manufacturer based in Milwaukee, Wisconsin.

We have purchased Badger Meters over the years through local suppliers and have been very satisfied with their products. The new annual contract will begin August 15, 2004 and will have an option for a one-year renewal. The Badger meters being provided meet all American Water Works Association, State, and City specifications and have an excellent performance record in the water utility industry. Funding is available in account 050-5015-550.25-01, Other Supplies. For bidding purposes we anticipated purchasing approximately 800 meters for new services and replacements. During our recent water audit, the city's consultant made the recommendation to install 5/8 X 3/4 inch meters instead of 3/4 X 3/4 inch meters for all new and replacement service installations because the flow rates

are very similar but cost approximately 30 percent less. This should represent an annual savings of approximately \$8,000 - \$10,000 per year on meter purchases with better low flow accuracies and no noticeable affect to the homeowner. At present we are on a schedule to replace/change out residential meters every 12 years, and with the anticipated savings we should be able to complete a more aggressive 10-year change out schedule, which is more ideal.

It is difficult to accurately predict the number of each size meter that will be requested for new development. Thus quantities of each size meter usually purchased per year are used as a basis for bidding estimates. The bid documents include these estimated quantities of each type and size of meter to give a weighted average of the overall cost of the meters. The bid documents specify that the quantities are estimates and do not obligate us to purchase more than our actual requirements nor does it limit the number of meters we can purchase. This is of course subject to appropriated funding. For this reason we are requesting approval of the contract in the amount not to exceed the available funds of \$43,000.

#### **RECOMMENDED ACTION**

The Public Works Department recommends Council accept the low bid and award the meter supply contract to Badger Meter, Inc. in an amount not to exceed \$43,000.

**A PROJECT FOR  
CITY OF SUGAR LAND**

**BID OPENING: 2002-12 WATER METER**

**PLACE: CITY HALL**

**DATE: JULY 8, 2004**

**TIME: 10:00 A.M.**

**SUMMARY:**

<b>Extended Cost</b>	<b>WATER MGMT SERVICES</b>	<b>BADGER METER</b>	<b>NEPTUNE TECH GROUP</b>	<b>HERSEY METERS</b>	<b>HUGHES SUPPLY INC</b>	<b>U S METERING &amp; TECH</b>	<b>PERFORMANCE METER INC</b>	<b>GOLDEN TRIANGLE PIPE</b>
<b>5/8 x 3/4 inch</b>	<b>NO BID</b>	<b>\$19,184.40</b>	<b>NO BID</b>	<b>NO BID</b>	<b>\$19,235.50</b>	<b>\$19,710.00</b>	<b>\$16,965.20</b>	<b>\$21,016.70</b>
<b>3/4 x 3/4 inch</b>	<b>NO BID</b>	<b>\$1,222.20</b>	<b>NO BID</b>	<b>NO BID</b>	<b>\$1,218.60</b>	<b>\$1,020.00</b>	<b>\$976.20</b>	<b>\$1,399.50</b>
<b>1 inch</b>	<b>NO BID</b>	<b>\$10,385.10</b>	<b>NO BID</b>	<b>NO BID</b>	<b>\$10,365.30</b>	<b>\$10,576.50</b>	<b>\$9,824.10</b>	<b>\$11,360.25</b>
<b>1 ½ inch</b>	<b>NO BID</b>	<b>\$650.76</b>	<b>NO BID</b>	<b>NO BID</b>	<b>\$656.16</b>	<b>\$720.00</b>	<b>\$784.00</b>	<b>\$733.40</b>
<b>2 inch</b>	<b>NO BID</b>	<b>\$1,364.94</b>	<b>NO BID</b>	<b>NO BID</b>	<b>\$1,379.64</b>	<b>\$1,323.00</b>	<b>\$1,554.00</b>	<b>\$1,433.10</b>
<b>Total Price</b>	<b>NO BID</b>	<b>\$32,807.40</b>	<b>NO BID</b>	<b>NO BID</b>	<b>\$32,855.20</b>	<b>\$33,349.50</b>	<b>\$30,103.50 *</b>	<b>\$35,942.95</b>

<b>Meter Description</b>	<b>Bidders Name</b>							
<b>1. 5/8 x 3/4 Inch</b>	<b>Water Mgmt Services</b>	<b>Badger Meter</b>	<b>Neptune Tech Group</b>	<b>Hersey Meters</b>	<b>Hughes Supply Inc</b>	<b>US Metering &amp; Tech</b>	<b>Performance Meter Inc</b>	<b>Golden Triangle</b>
<b>Unit Price</b>	<b>No Bid</b>	<b>\$28.58</b>	<b>No Bid</b>	<b>No Bid</b>	<b>\$28.70</b>	<b>\$28.50</b>	<b>\$24.74</b>	<b>\$28.79</b>
<b>Trade In Allowance</b>	<b>No Bid</b>	<b>(\$2.30)</b>	<b>No Bid</b>	<b>No Bid</b>	<b>(\$2.35)</b>	<b>(\$1.50)</b>	<b>(\$2.50)</b>	<b>-0-</b>
<b>Extended Price</b>	<b>No Bid</b>	<b>\$19,184.40</b>	<b>No Bid</b>	<b>No Bid</b>	<b>\$19,235.50</b>	<b>\$19,710.00</b>	<b>\$16,965.20</b>	<b>\$21,016.70</b>
<b>List Manufacturer</b>	<b>No Bid</b>	<b>Badger</b>	<b>No Bid</b>	<b>No Bid</b>	<b>Neptune</b>	<b>Amco</b>	<b>Performance Meter*</b>	<b>Hersey</b>
<b>List Model</b>	<b>No Bid</b>	<b>RCDL 25</b>	<b>No Bid</b>	<b>No Bid</b>	<b>T-10</b>	<b>C-700 SERIES</b>	<b>PMPD-02</b>	<b>43011S BB</b>
<b>Delivery Time</b>	<b>No Bid</b>	<b>24 Days</b>	<b>No Bid</b>	<b>No Bid</b>	<b>3 Weeks</b>	<b>28 Days</b>	<b>30 Days</b>	<b>30 Days</b>

<b>Meter Description</b>	<b>Bidders Name</b>							
<b>2. 3/4 x 3/4 Inch</b>	<b>Water Mgmt Services</b>	<b>Badger Meter</b>	<b>Neptune Tech Group</b>	<b>Hersey Meters</b>	<b>Hughes Supply Inc</b>	<b>US Metering &amp; Tech</b>	<b>Performance Meter Inc</b>	<b>Golden Triangle</b>
<b>Unit Price</b>	<b>No Bid</b>	<b>\$44.19</b>	<b>No Bid</b>	<b>No Bid</b>	<b>\$44.62</b>	<b>\$36.50</b>	<b>\$35.54</b>	<b>\$46.65</b>
<b>Trade In Allowance</b>	<b>No Bid</b>	<b>(\$3.45)</b>	<b>No Bid</b>	<b>No Bid</b>	<b>(\$4.00)</b>	<b>(\$2.50)</b>	<b>(\$3.00)</b>	<b>-0-</b>
<b>Extended Price</b>	<b>No Bid</b>	<b>\$1,222.20</b>	<b>No Bid</b>	<b>No Bid</b>	<b>\$1,218.60</b>	<b>\$1,020.00</b>	<b>\$976.20</b>	<b>\$1,399.50</b>
<b>List Manufacturer</b>	<b>No Bid</b>	<b>Badger</b>	<b>No Bid</b>	<b>No Bid</b>	<b>Neptune</b>	<b>Amco</b>	<b>Performance Meter*</b>	<b>Hersey</b>
<b>List Model</b>	<b>No Bid</b>	<b>RCDL 35</b>	<b>No Bid</b>	<b>No Bid</b>	<b>T-10</b>	<b>C-700 SERIES</b>	<b>PMPD-03</b>	<b>44211S IB</b>
<b>Delivery Time</b>	<b>No Bid</b>	<b>24 Days</b>	<b>No Bid</b>	<b>No Bid</b>	<b>3 Weeks</b>	<b>28 Days</b>	<b>30 Days</b>	<b>30 Days</b>

<b>Meter Description</b>	<b>Bidders Name</b>							
<b>3. 1-Inch</b>	<b>Water Mgmt Services</b>	<b>Badger Meter</b>	<b>Neptune Tech Group</b>	<b>Hersey Meters</b>	<b>Hughes Supply Inc</b>	<b>US Metering &amp; Tech</b>	<b>Performance Meter Inc</b>	<b>Golden Triangle</b>
<b>Unit Price</b>	<b>No Bid</b>	<b>\$68.69</b>	<b>No Bid</b>	<b>No Bid</b>	<b>\$68.82</b>	<b>\$68.60</b>	<b>\$65.04</b>	<b>\$68.85</b>
<b>Trade In Allowance</b>	<b>No Bid</b>	<b>(\$5.75)</b>	<b>No Bid</b>	<b>No Bid</b>	<b>(\$6.00)</b>	<b>(\$4.50)</b>	<b>(\$5.50)</b>	<b>-0-</b>
<b>Extended Price</b>	<b>No Bid</b>	<b>\$10,385.10</b>	<b>No Bid</b>	<b>No Bid</b>	<b>\$10,365.30</b>	<b>\$10,576.50</b>	<b>\$9,824.10</b>	<b>\$11,360.25</b>
<b>List Manufacturer</b>	<b>No Bid</b>	<b>BADGER</b>	<b>No Bid</b>	<b>No Bid</b>	<b>Neptune</b>	<b>Amco</b>	<b>Performance Meter*</b>	<b>Hersey</b>
<b>List Model</b>	<b>No Bid</b>	<b>RCDL 70</b>	<b>No Bid</b>	<b>No Bid</b>	<b>T-10</b>	<b>C-700 SERIES</b>	<b>PMPD-07</b>	<b>45211 S</b>
<b>Delivery Time</b>	<b>No Bid</b>	<b>24 Days</b>	<b>No Bid</b>	<b>No Bid</b>	<b>3 Weeks</b>	<b>28 Days</b>	<b>30 Days</b>	<b>30 Days</b>

<b>Meter Description</b>	<b>Bidders Name</b>							
<b>4. 1½-Inch w/Test Plug</b>	<b>Water Mgmt Services</b>	<b>Badger Meter</b>	<b>Neptune Tech Group</b>	<b>Hersey Meters</b>	<b>Hughes Supply Inc</b>	<b>US Metering &amp; Tech</b>	<b>Performance Meter Inc</b>	<b>Golden Triangle</b>
<b>Unit Price</b>	<b>No Bid</b>	<b>\$171.89</b>	<b>No Bid</b>	<b>No Bid</b>	<b>\$172.04</b>	<b>\$188.00</b>	<b>\$204.00</b>	<b>\$183.35</b>
<b>Trade In Allowance</b>	<b>No Bid</b>	<b>(\$9.20)</b>	<b>No Bid</b>	<b>No Bid</b>	<b>(\$8.00)</b>	<b>(\$8.00)</b>	<b>(\$8.00)</b>	<b>-0-</b>
<b>Extended Price</b>	<b>No Bid</b>	<b>\$650.76</b>	<b>No Bid</b>	<b>No Bid</b>	<b>\$656.16</b>	<b>\$720.00</b>	<b>\$784.00</b>	<b>\$733.40</b>
<b>List Manufacturer</b>	<b>No Bid</b>	<b>Badger</b>	<b>No bid</b>	<b>No bid</b>	<b>Neptune</b>	<b>Amco</b>	<b>Performance Meter*</b>	<b>Hersey</b>
<b>List Model</b>	<b>No Bid</b>	<b>RCDL 120</b>	<b>No Bid</b>	<b>No Bid</b>	<b>T-10</b>	<b>C-700 SERIES</b>	<b>PMPD-09</b>	<b>5622 BLT</b>
<b>Delivery Time</b>	<b>No Bid</b>	<b>14 Days</b>	<b>No Bid</b>	<b>No Bid</b>	<b>3 Weeks</b>	<b>28 Days</b>	<b>60 Days</b>	<b>30 Days</b>

<b>Meter Description</b>	<b>Bidders Name</b>							
<b>5. 2-Inch w/Test Plug</b>	<b>Water Mgmt Services</b>	<b>Badger Meter</b>	<b>Neptune Tech Group</b>	<b>Hersey Meters</b>	<b>Hughes Supply Inc</b>	<b>US Metering &amp; Tech</b>	<b>Performance Meter Inc</b>	<b>Golden Triangle</b>
<b>Unit Price</b>	<b>No Bid</b>	<b>\$241.29</b>	<b>No Bid</b>	<b>No Bid</b>	<b>\$241.94</b>	<b>\$232.50</b>	<b>\$271.00</b>	<b>\$238.85</b>
<b>Trade In Allowance</b>	<b>No Bid</b>	<b>(\$13.80)</b>	<b>No Bid</b>	<b>No Bid</b>	<b>(\$12.00)</b>	<b>(\$12.00)</b>	<b>(\$12.00)</b>	<b>-0-</b>
<b>Extended Price</b>	<b>No Bid</b>	<b>\$1,364.94</b>	<b>No Bid</b>	<b>No Bid</b>	<b>\$1,379.64</b>	<b>\$1,323.00</b>	<b>\$1,554.00</b>	<b>\$1,433.10</b>
<b>List Manufacturer</b>	<b>No Bid</b>	<b>Badger</b>	<b>No Bid</b>	<b>No Bid</b>	<b>Neptune</b>	<b>Amco</b>	<b>Performance Meter*</b>	<b>Hersey</b>
<b>List Model</b>	<b>No Bid</b>	<b>RCDL 170</b>	<b>No Bid</b>	<b>No Bid</b>	<b>T-10</b>	<b>C-700 SERIES</b>	<b>PMPD-12</b>	<b>5722 B SG</b>
<b>Delivery Time</b>	<b>No Bid</b>	<b>14 Days</b>	<b>No Bid</b>	<b>No Bid</b>	<b>3 Weeks</b>	<b>28 Days</b>	<b>60 Days</b>	<b>30 Days</b>
<b>Totals</b>	<b>N/B</b>	<b>\$32,807.40</b>	<b>N/B</b>	<b>N/B</b>	<b>\$32,855.16</b>	<b>\$33,349.50</b>	<b>\$30,103.50</b>	<b>\$35,942.90</b>

**BUDGET: \$43,000**

**\*Performance Meters are not NSF certified.**